

# CERTIFIX INSULATION FIXINGS

And Discs for SFS





## A4 LONG LENGTH SELF DRILLING INSULATION SCREWS

Fixing insulation to light gauge steel or timber substrates. Also suitable where dissimilar metals are being used or superior corrosion resistance is required.



### TECHNICAL DATA

#### Hardness Rating (Vickers Scale)

Diameter	Surface Hardness	Core Hardness
4.8mm	492.8HV	482.3HV

#### Ultimate Mechanical Performance

Diameter	Tensile Strength	Shear Strength
4.8mm	492.8HV	482.3HV

#### Ultimate Pull Out Values (steel)

Diameter	Drill Point	Steel Thickness		
		0.6mm	1.2mm	2.5mm
4.8mm	Tek 2	0.78kN	2.07kN	4.71kN

#### Ultimate Pull Out Values (timber)

Diameter	Drill Point	Embedment Depth	
		25.0mm	35.0mm
4.8mm	Tek 2	1.76kN	3.83kN

Product Code	Size	Box Qty	Carton Qty
<b>CIS4-4.8x45</b>	4.8 x 45 mm	100	3,200
<b>CIS4-4.8x60</b>	4.8 x 60 mm	100	3,200
<b>CIS4-4.8x80</b>	4.8 x 80 mm	100	3,200
<b>CIS4-4.8x100</b>	4.8 x 100 mm	100	3,200
<b>CIS4-4.8x120</b>	4.8 x 120 mm	100	3,200
<b>CIS4-4.8x140</b>	4.8 x 140 mm	100	1,600
<b>CIS4-4.8x160</b>	4.8 x 160 mm	100	800
<b>CIS4-4.8x180</b>	4.8 x 180 mm	100	800
<b>CIS4-4.8x200</b>	4.8 x 200 mm	100	800
<b>CIS4-4.8x240</b>	4.8 x 240 mm	100	800

NOTE: The results expressed in the datasheet are taken as mean loads from a range of empirical tests and are ultimate unfactored loads. Each specifier or end user should make his/ her own decision on what safety factors to use relevant to their design application (such as BS 5950, EN 1991, etc).



## STAINLESS STEEL STRESS PLATE

These Stress Plates are designed for use with Heavy Duty Screws, Tek screws and Masonry anchors. Stress plates are used when fixing insulation and single ply materials to help distribute load and prevent the material being fastened from pulling over the head of the fastener. Insulation plates are also used when mechanically attaching rigid form insulation to roof decks. The design of the insulation plate allows it to flex during installation if a fastener is overdriven preventing damage to the insulation board.

Oval stress plates; sometimes called lap plates, are used when mechanically attaching single ply material in the area of the lap or seam.



### Stainless steel stress plate nominal dimension information

Part Number	Form	Nominal Thickness (mm)	Nominal Dimensions (mm)
ID2-70	Round	0.7	70.0

NOTE: The results expressed in this document are determined from empirical testing. Specifiers, end-users and other third parties should make their own decision(s) on what safety factors to use relevant to their design(s)/ application(s). This document is provided, strictly: without prejudice, without recourse, without liability, non-assumptit, no assured value, errors and omissions excepted, subject to change without notice and all rights reserved.  
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All test results were derived from empirical testing performed by ETAS (United Kingdom Accreditation Service) accredited testing laboratory (Accreditation NO. 7485). The following tests were performed to the following standards:

Test/Parameter	Standard/Method/Procedure
Ultimate Tensile	<b>ISO 6892-1: 2009</b> "Metallic materials – tensile testing – Part 1: Method of test at room temperature".
Ultimate Shear *	<b>MIL-STD-1312-13 *</b> "Military Standard: Fastener test method (Method 13) Double shear test".
Pull Out (Withdrawal Force)	<b>EN 14566: 2009</b> "Mechanical fasteners for gypsum plasterboard systems. Definitions, requirements and test methods".
Pull Over	<b>EN 14592: 2008</b> "Timber structures. Dowel type fasteners. Requirements".
Hardness	<b>4.8 ISO 650 7-1: 2005</b> "Metallic materials – Vickers hardness test – Part 1: Test method". 120.0mm
Corrosion Resistance	<b>EN ISO 9227: 2012</b> "Corrosion tests in artificial atmospheres. Salt spray tests".
Drilling Time Test	<b>EN 14566: 2009</b> "Mechanical fasteners for gypsum plasterboard systems. Definitions, requirements and test methods".

\* Tests marked are non-Accredited

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